

Abstract

1 PWM AC power is supplied to an induction motor or other AC load. The
2 frequency and magnitude of the waveforms is controlled by detecting the peak
3 voltage or width of the reverse EMF pulses at the commencement of the power
4 waveform applied to the load, and then adjusting the applied AC power based on
5 the detected peak voltage or width. Alternatively, the depth of width of a notch
6 that follows the reverse EMF pulse can be detected and used to control the applied
7 AC power.

2025 RELEASE UNDER E.O. 14176